



IFW

Docket No.: 0933-0269PUS1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Osmo SUOVANIEMI et al.

Application No.: 10/575,377

Confirmation No.: N/A

Filed: April 11, 2006

Art Unit: N/A

For: SUCTION DEVICE

Examiner: Not Yet Assigned

LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Subsequent to the filing of the above-identified application on April 11, 2006, attached hereto is an English Translation of the International Preliminary Report on Patentability issued by the International Bureau on behalf of the International Searching Authority. Please make this document of record for the above-identified application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or to credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Dated: October 16, 2006

Respectfully submitted,

By

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Attachment(s)

From the INTERNATIONAL BUREAU

PCTNOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
APPLICATION AS PUBLISHED OR REPUBLISHED

To:

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Iso Roobertinkatu 4-6 A
FI-00120 HELSINKI
FINLANDE**SAAPUNUT****19. 04. 2006**

By JALO ANT-WUORINEN Ab

Date of mailing (*day/month/year*)
13 April 2006 (13.04.2006)Applicant's or agent's file reference
42630**IMPORTANT NOTICE**International application No.
PCT/FI2005/050262International filing date (*day/month/year*)
30 June 2005 (30.06.2005)Priority date (*day/month/year*)
05 July 2004 (05.07.2004)

Applicant

BIOHIT OYJ et al

The International Bureau transmits herewith the following documents:

- ☐ copy of the international application as published by the International Bureau on under No. WO
- ☒ copy of international application as republished by the International Bureau on 13 April 2006 (13.04.2006) under No. WO 2006/003261
For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (*as the case may be*) on the front page of the attached document.

The International Bureau of WIPO
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1211 Geneva 20, Switzerland

Authorized officer

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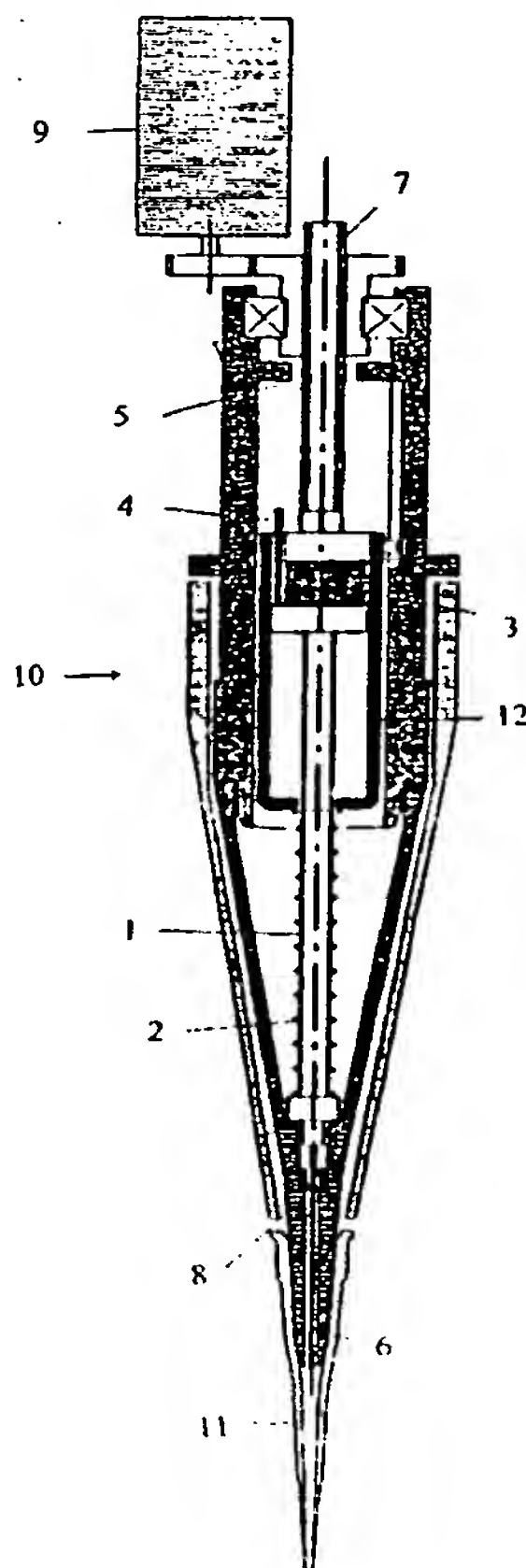
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[Continued on next page]

(54) Title: SUCTION DEVICE

(57) Abstract: This invention relates to plunger operated liquid dispensers, such as hand held pipettors, which are used to portion liquids. Specifically the invention relates to a reliable removal of a liquid from the liquid dispenser. According to the invention the plunger of the liquid dispenser is arranged into a speeded up movement while removing the liquid. This change in speed is preferably sudden.





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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI2005/050262

A. CLASSIFICATION OF SUBJECT MATTER

See extra sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B01L, G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

FI, SE, NO, DK classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-internal, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1084723 A1 (NISSHO KK - NIPRO CORP) 21 March 2001 (21.03.2001), whole publication	1, 2, 8, 9
X	EP 0435415 A1 (HELENA LAB CORP) 03 July 1991 (03.07.1991), column 6, lines 18-21	8
X	US 4966585 A (GANGEMI RONALD J) 30 October 1990 (30.10.1990), whole publication	1, 2, 8, 9
A	US 5364596 A (MAGNUSSEN JR HAAKON T et al.) 15 November 1994 (15.11.1994), whole publication	3, 10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

30 September 2005 (30.09.2005)

Date of mailing of the international search report

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Name and mailing address of the ISA/FI

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/FI2005/050262

Patent document cited in search report	Publication date	Patent family members(s)	Publication date
EP 1084723 A1	21/03/2001	DE 60016530T T2 DE 60016530D D1 US 6565531 B1 JP 2001087382 A	14/04/2005 13/01/2005 20/05/2003 03/04/2001
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US 5364596 A	15/11/1994	WO 9412280 A1 EP 0686064 A1 DE 69312326T T2 DE 69312326D D1	09/06/1994 13/12/1995 18/12/1997 21/08/1997

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International application No.

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G01N 1/10 (2006.01)i